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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/552,345	04/19/2000	Eugene Amdur	DSC-001	3244

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EXAMINER

TRAN, ELLEN C

ART UNIT PAPER NUMBER

2134

DATE MAILED: 02/07/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/552,345

Applicant(s)

AMDUR ET AL.

Examiner

Ellen C Tran

Art Unit

2134

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 18 June 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 25-30, 45, 54 and 55 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 25-30, 45, 54 and 55 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

***DETAILED ACTION***

1. This action is responsive to communication: amendment filed

18 June 2004 with recognition of a filing date of 19 April 2000.

2. Applicant's election with traverse, Group II (Claims 25-30, 45, 54, and 55). The traversal is on the grounds that the Office has not shown: proof of a serious burden, or that the subcombinations have utility other than in the disclosed combination by way of example, or legal proper test for imposing restriction because the claims are independent and distinct. This is not found persuasive because the burden is caused by the different methods of providing computer security and assisting computer security: Group I is directed to a computer security service with policy builder, which is different from Group II which is drawn to data processing system included graphic user interface feature. Groups II and I are different than Group III, which is directed to a digital processing system including authentication of an entity features. Likewise Group IV is drawn to digital processing system including a network server, Group V is drawn to data processing presentation included structured document format. The independent claims themselves are evidence that the groups can be used individually. In the independent claims of Group I and II there is not any dependency for an authentication of an entity. In the independent claims of Group I and III there is no detailed description of a GUI with grid and labels. Finally in the independent claims of Group I, III, IV, and V there is no description on a computer security system included a graphic user interface.

The requirement is still deemed proper and is therefore made FINAL.

3. Claims 25-30, 45, 54, and 55 are currently pending in this application. Claims 25, 29, and 54 are independent claims.

*Claim Objections*

4. Claims 29 and 54 objected to because of the following informalities: the word “labelling” is misspelled. Appropriate correction is required.

*Claim Rejections - 35 USC § 102*

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6. Claims 25, 26, 27, 29, 54, and 55 are rejected under 35 U.S.C. 102(b) as being anticipated by Flint et al. U.S. Patent No. 6,453,419 (hereinafter ‘419).

As to independent claim 54, **“A method for displaying access policies for a security service for a computer network”** is taught in ‘419 col. 2, lines 6-13;

**“the computer network comprising defined users”** is shown in ‘419 col. 3, lines 10-13;

**“services and resources”** is disclosed in ‘419 col. 4, lines 14-19;

**“the method comprising the steps of displaying, on a computer display unit, a grid having nodes, laid out on a first and on a second axis”** is taught in ‘419 col. 2, lines 51-52 (the first and second axis are inherent in a GUI)

**“displaying, on the grid, unit user labels corresponding to the user data, each user label labelling nodes aligned relative to the first axis of the grid, and”** is shown in ‘419 col. 5, lines 29-31 (the alignment to first axis is inherent in a GUI);

**“displaying on the grid resource labels corresponding to the services and resources data, each resource label labelling nodes aligned relative to the second axis of the grid, whereby the nodes in the grid correspond to access policies for the defined users and defined services and resources for the computer network, corresponding to the user and resource labels”** is disclosed in ‘419 col. 6, lines 25-37.

**As to dependent claim 55**, this claim is directed to a program storage device performing the method of claim 54 and is therefore rejected along similar rationale.

**As to independent claim 25**, this claim is directed to a graphical user interface of the method of independent claim 54 and is therefore rejected along similar rationale.

**As to dependent claim 26**, **“further comprising a user definition component for defining a business relationship tree data structure representing a set of the defined users and in which the user labels displayed by the graphical user interface correspond to the business relationship tree data structure”** is taught in ‘419 col. 3, lines 31-47.

**As to dependent claim 27**, **“further comprising a resource definition component for defining a resource tree data structure representing a set of the defined services and resources and in which the resource labels displayed by the graphical user interface correspond to the resource tree data structure”** is shown in ‘419 col. 3, line 61 through col. 4, line 7.

**As to independent claim 29**, **“A graphical user interface”** is disclosed in ‘419 col. 2, lines 51-52;

**“for a security service for a computer network”** is taught in ‘419 col. 2, lines 6-13;

**“the computer network comprising defined users represented by a business relationship tree data structure” is shown in ‘419 col. 3, lines 31-47;**

**“the computer network further comprising services and resources, represented by a resource tree data structure” is disclosed in ‘419 col. 6, lines 25-37;**

**“the graphical user interface comprising display means for displaying a grid comprising nodes laid out on a first axis and on a second axis” is shown in ‘419 col. 2, lines 51-52 (it is inherent in a GUI to have a first and second axis)**

**“user labels corresponding to the users in the business relationship tree data structure, each user label labelling nodes aligned relative to the first axis of the grid” is disclosed in ‘419 col. 5, lines 29-31;**

**“and resource labels corresponding to the defined services and resources in the resource tree data structure, each resource label labelling nodes aligned relative to the second axis of the grid, the nodes in the grid corresponding to access policies for the defined users and defined services and resources, corresponding to the user and resource labels” is taught in ‘419 col. 6, lines 25-37.**

***Claim Rejections - 35 USC § 103***

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. **Claims 28, 30, and 45** are rejected under 35 U.S.C. 103(a) as being unpatentable over ‘419 in further view of Wiegel U.S. Patent No. 6,484,261 (hereinafter ‘261).

As to dependent claim 28, the following is not taught in '419 **“further comprising an access policy editor for defining the nodes in the grid, the access policy editor comprising means for graphically assembling icons representing policy rules to define an access policy for a user-specified node”** however '261 teaches “The administrator can define a security policy once and apply it to a plurality of network devices. To accomplish this, the administrator prepares a symbolic policy and saves it persistently using a unique name. The name of the policy and an icon representing the policy are displayed in a tree in a pane of a user interface generated by the mechanism. The physical network available to the administrator is displayed as a separate tree of icons that represent network objects. The administrator moves the mouse cursor to the previously defined policy, clicks and holds down a mouse button, and drags the icon representing the policy over an icon representing a network object. When the administrator releases the mouse button, the policy is applied to the network object. In this manner, policies can be dragged and applied to NT domains, users, groups, individual machines, or to arbitrary groups of machines residing in defined physical or logical networks” in col. 14, lines 36-52.

It would have been obvious to one of ordinary skill in the art at the time of the invention to modify a security service for a computer network taught in '419 to include a means to graphically design the user interface. One of ordinary skill in the art would have been motivated to perform such a modification to customize the display screen and therefore increase user flexibility see '261 col. 4, lines 38-44 “There is also a need for a way to construct a representation of a network security policy in which the representation is easily correlated with the policy. There is a particular need for such a mechanism that does not require the

administrator to have knowledge about low-level network protocol details and about the particular network protocols that are used by application programs”.

**As to dependent claim 30, “the grid comprising inheriting nodes and defining nodes, the defining nodes corresponding to access policies expressly defined by a policy manager, the graphical user interface further comprising means for displaying inherited access policies for inheriting nodes in the grid by propagating access policies from the defining nodes in the grid across the inheriting nodes below the defining nodes in each of the business relationship tree data structure and the resource tree data structure”** is shown in ‘261 col. 13, lines 37-50 “Thereafter, administrators can reference the network objects in the Networks tree 720 when developing security policies. For example, the administrator can prepare a security policy that accepts or rejects a data packet depending on whether the destination of the packet is the software engineering group 726, the marketing group 728, or one of the hosts 730 within a group. Accordingly, the security policies are kept simple because, rather than incorporating the network-specific information, the security policies inherit knowledge about the network from the Networks tree 720. Further, a security policy may be attached to a group of objects rather than only to a single object”.

**As to dependent claim 45,** this claim is directed to a program storage device performing the method of claims 25, 26, and 30; therefore it is rejected along similar rationale.




***Conclusion***

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ellen C Tran whose telephone number is (571) 272-3842. The examiner can normally be reached from 6:30 am to 3:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory A Morse can be reached on (571) 272-3838. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ellen Tran  
Patent Examiner  
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31 January 2005

  
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